

ABSTRACT

[0048] A guided heating apparatus and a method for using the same is provided. The apparatus includes a guiding enclosure, a supporting piece, and an absorbing piece. The guiding enclosure guides and keeps energy from an energy source within the guiding enclosure. The guiding enclosure is made of a material reflective of the energy. The energy source is either one of a microwave source and an infrared source. The supporting piece is detachably coupled with the guiding enclosure and is made of a material transparent to the energy. The absorbing piece is coupled to and supported by the supporting piece within the guiding enclosure. The absorbing piece is made of at least one material that absorbs the energy and transfers the energy to an object to be heated. The absorbing piece has a predetermined composition that controls an energy absorption rate of the absorbing piece.